DOCKET NO.: CRD0933CIP (CRDS-0058)

PATENT

Application No.: 10/829,044

Office Action Dated: SUPPLEMENTAL PRELIMINARY AMENDMENT

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-59. (canceled)

60. (Newly added) A drug delivery device comprising: an intraluminal stent; a biocompatible, non-erodible polymeric coating; and, incorporated into said coating, from 3 μg to 13 μg per millimeter of stent length of rapamycin or a macrocyclic triene analog thereof that binds FKB12, wherein said device provides at least one of the following:

an in-stent volume obstruction at 12 months following implantation in a human of less than 20%, as measured by intravascular ultrasound;

an in-stent volume obstruction at 6 months following implantation in a human of less than 20%, as measured by intravascular ultrasound;

an in-stent late loss at 12 months following implantation in a human of less than .8 mm, as measured by quantitative coronary angiography; or

an in-stent late loss at 6 months following implantation in a human of less than .9 mm, as measured by quantitative coronary angiography.

61. (Newly added) The drug delivery device according to claim 60, wherein said device provides:

an in-stent volume obstruction at 12 months following implantation in a human of less than 20%, as measured by intravascular ultrasound.

62. (Newly added) The drug delivery device according to claim 60, wherein said device provides:

an in-stent late loss at 12 months following implantation in a human of less than .8 mm, as measured by quantitative coronary angiography.

63. (Newly added) The drug delivery device according to claim 60, wherein said device provides:

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an in-stent volume obstruction at 12 months following implantation in a human of less than 20%, as measured by intravascular ultrasound; and an in-stent late loss at 12 months following implantation in a human of less than .8 mm, as measured by quantitative coronary angiography.

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- 64. (Newly added) The drug delivery device according to any one of claims 60 to 63 wherein said coating comprises two layers, and said rapamycin or a macrocyclic triene analog thereof that binds FKB12 is incorporated into one of said two layers.
- 65. (Newly added) The drug delivery device according to claim 64, wherein said device is prepared by spraying said polymeric coating having said rapamycin or a macrocyclic triene analog thereof that binds FKB12 incorporated therein onto an outer surfacer of the stent.
- 66. (Newly added) A method of inhibiting neointimal proliferation in a human coronary artery following percutaneous transluminal coronary angioplasty comprising implanting in the lumen of said coronary artery the drug delivery device according to any one of claims 60 to 63.
- 67. (Newly added) The method according to claim 66, wherein said coating comprises two layers, and said rapamycin or a macrocyclic triene analog thereof that binds FKB12 is incorporated into one of said two layers.
- 68. (Newly added) The method according to claim 67, wherein said device is prepared by spraying said polymeric coating having said rapamycin or a macrocyclic triene analog thereof that binds FKB12 incorporated therein onto an outer surface of the stent.